

Notice of Allowability

Application No.

10/002,466

Applicant(s)

CHATTERJEE, ANIRBAN

Examiner

Bryce P. Bonzo

Art Unit

2113

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Application as filed.
2. ☒ The allowed claim(s) is/are 1-14.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

Bryce P. Bonzo
BRYCE P. BONZO
PRIMARY EXAMINER

Reasons for Allowance

Claims 1-14 are allowed.

The grounds for this allowance are put forth in the following paragraphs. Applicant is reminded that the claims are allowed as a whole and any modification to the claims may jeopardize this indication of allowable matter. As all three independent claims cover slightly scopes, each claims will be addressed separately.

As per claim 1:

1. A computer program product in a computer readable medium containing a routine for writing a dump element, the routine comprising the steps of:

first instructions for checking a size of a current dump element against a threshold,

second instructions, if the size is greater than said threshold, for

formatting a first portion of the dump element which is the size of the threshold,

writing said first portion of the dump element,

setting the remaining portion of the dump element to be a new dump element and returning to the checking step;

third instructions, if the size is less than or equal to said threshold, for

formatting the dump element,

writing said the dump element, and

returning to a calling routine.

The cited prior art fails to disclose or make obvious size threshold based creation of dump elements for use in writing or the returning to a calling routine. The prior art at best *alludes* to the packetizing of fully formatted dump data for transmission across a TCP or IPX network. These packets are never disclosed being written, nor the specifications of the writing. Additionally, the cited prior art is interrupt driven, while the claims specifically recite returning to a *calling* routine, rendering interrupt driven art on its own, non-obvious.

As per claim 5:

5. A method for writing a dump element, the method comprising the steps of:

receiving parameters for the dump element including a first starting address and a first size parameter;

if said first size parameter is not greater than a given threshold, then

formatting said element, writing said element, then returning to a calling routine,

if said first size parameter is greater than or equal to said given threshold, then

setting a second starting address equal to said first starting address plus said threshold,

setting a second size parameter equal to said first size parameter minus said threshold,

setting said first size parameter to said threshold,

calling said method recursively, and
after said calling step, setting said first size parameter to said second size parameter, setting said first starting address to said second starting address, and going to said receiving step.

The cited prior art fails to disclose or make obvious size threshold based creation of dump elements for use in writing or the returning to a calling routine. The prior art at best *alludes* to the packetizing of fully formatted dump data for transmission across a TCP or IPX network. These packets are never disclosed being written, nor the specifications of the writing. Additionally, the cited prior art is interrupt driven, while the claims specifically recite returning to a *calling* routine, rendering interrupt driven art on its own, non-obvious. Finally, the prior does not ever specify any use of recursive programming.

As per claim 8:

8. A computer system comprising:

a processor which is connected to receive input from at least a first device and to provide output through at least a second device, said processor being programmed to invoke, at the time of a system error, a routine which performs the following steps:

receiving parameters for the dump element including a first starting address and a first size parameter;

if said first size parameter is not greater than a given threshold, then

formatting said element and a header describing said element,
writing said element and said header, then
returning to a calling routine,
else,
setting a second starting address equal to said first starting
address plus said threshold,
setting a second size parameter equal to said first size
parameter minus said threshold,
setting said first size parameter to said threshold,
calling said routine recursively, and
after said calling step, setting said first size parameter to
said second size parameter, setting said first starting address to
said second starting address, and going to said receiving step.

The cited prior art fails to disclose or make obvious size threshold based creation of dump elements for use in writing or the returning to a calling routine. The prior art at best *alludes* to the packetizing of fully formatted dump data for transmission across a TCP or IPX network. These packets are never disclosed being written, nor the specifications of the writing. Additionally, the cited prior art is interrupt driven, while the claims specifically recite returning to a *calling* routine, rendering interrupt driven art on its own, non-obvious. Finally, the prior does not ever specify any use of recursive programming.

As per claim 12:

12. A computer system comprising:

means to receive information regarding a scan dump element to be written;

means to check the size of the scan dump element; and

means to write a given block of data which is of a given size or less;

means to modify said information regarding the scan dump element;

wherein if the size of said scan dump element is not greater than said given size,

said means to write is configured to write said scan dump element to nonvolatile memory, otherwise said means to write is configured to write a first portion of said scan dump element which is of said given size to nonvolatile memory, said means to modify is configured to modify said information to indicate the remaining portion of said element as a new element and to performs said wherein step again.

The cited prior art fails to disclose or make obvious size threshold based creation of dump elements for use in writing or the returning to a calling routine. The prior art at best *alludes* to the packetizing of fully formatted dump data for transmission across a TCP or IPX network. These packets are never disclosed being written, nor the specifications of the writing. Additionally, the cited prior art does not describe modifying the information in a scan dump to indicate it is part of another scan dump.

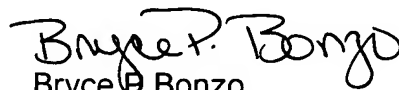
The above reason for allowance clearly set forth as how the prior art does not read on the claims as originally filed. Applicant is free to respond to these reasons,

however, applicant may in doing so, redefine the claims via arguments resulting a removal from Allowance.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bryce P. Bonzo whose telephone number is (571)272-3655. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Beausoliel can be reached on (571)272-3645. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Bryce P. Bonzo
Primary Examiner
Art Unit 2113

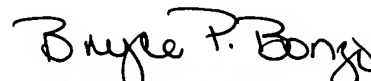
Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

As this is a minor correction clear from the context of claim, Applicant was not notified of this amendment.

In claim 13,

Please replace, in line 1 " of Claim 13," with "of Claim 12,".


BRYCE P. BONZO
PRIMARY EXAMINER